# PATENT COOPERATION TREATY

# PCT

REC'D 3 0 JUL 2004

PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

### (PCT Article 36 and Rule 70)

| Applicant's or agent's file reference<br><br>PCT 09/120000 | **FOR FURTHER ACTION** | See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |
|---|---|---|
| International application No.<br><br>PCT/US02/17099 | International filing date *(day/month/year)*<br><br>31 May 2002 (31.05.2002) | Priority date *(day/month/year)* |

International Patent Classification (IPC) or national classification and IPC

IPC(7): G06F 15/16 and US Cl.: 709/105, 217, 218, 219; 370/400

Applicant

UNISYS CORPORATION

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of __3__ sheets, including this cover sheet.

☑ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of __1__ sheets.

3. This report contains indications relating to the following items:

   I   ☒ Basis of the report

   II   ☐ Priority

   III   ☐ Non-establishment of report with regard to novelty, inventive step and industrial applicability

   IV   ☐ Lack of unity of invention

   V   ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

   VI   ☐ Certain documents cited

   VII   ☐ Certain defects in the international application

   VIII   ☐ Certain observations on the international application

| Date of submission of the demand<br><br>30 December 2003 (30.12.2003) | Date of completion of this report<br><br>14 June 2004 (14.06.2004) |
|---|---|
| Name and mailing address of the IPEA/US<br>    Mail Stop PCT, Attn: IPEA/US<br>    Commissioner for Patents<br>    P.O. Box 1450<br>    Alexandria, Virginia 22313-1450<br>Facsimile No. (703) 305-3230 | Authorized officer/<br><br>JACK B HARVEY<br><br>Telephone No. 703-305-3900 |

Form PCT/IPEA/409 (cover sheet)(July 1998)

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US02/17099

## I. Basis of the report

1. With regard to the elements of the international application:*

☐ the international application as originally filed.

☒ the description:

pages 1-15 as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of _____

☒ the claims:

pages 17 , as originally filed

pages NONE , as amended (together with any statement) under Article 19

pages NONE , filed with the demand

pages 16 , filed with the letter of 07 May 2004 (07.05.2004)

☒ the drawings:

pages 1-3 , as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of _____

☐ the sequence listing part of the description:

pages NONE , as originally filed

pages NONE , filed with the demand

pages NONE , filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in printed form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

☒ the description, pages NONE

☒ the claims, Nos. 4

☒ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. STATEMENT

| | | |
|---|---|---|
| Novelty (N) | Claims 1-3 AND 5-9 | YES |
| | Claims NONE | NO |
| Inventive Step (IS) | Claims 1-3 AND 5-9 | YES |
| | Claims NONE | NO |
| Industrial Applicability (IA) | Claims 1-3 AND 5-9 | YES |
| | Claims NONE | NO |

## 2. CITATIONS AND EXPLANATIONS

Claims 1-3 and 5-9 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach in a clear manner forwarding a request to the most recently idle process.

Claims 1-3 and 5-9 meet the industrial applicability as defined by PCT Article 33(4). In this case, the above mentioned invention is used in a computing system, such as a client-servers environments for serving, allocating and scheduling client request among a plurality of servers, reducing latency access time retrieval therein.
———————— NEW CITATIONS ——————

16

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1.    A method for scheduling transactions within a
computing system, comprising the steps of:

5          - receiving a transaction request from a client,
           - determining the idle server process that most
recently finished execution of a previous transaction, and
forwarding the transaction request to the most recently
idle process.

10   2.    A method in accordance with claim 1, further
comprising the step of storing the most recent finish time
and the status of a server process.

3.    A method in accordance with claim 1 or 2, whereby the
method is implemented as a sub-module within a gateway

15   process module, whereby the gateway module is responsible
for receiving transaction requests from a client, and
allocating the requests to server processes.

*DELETE* 4.    A method in accordance with claim 3, the method
further comprising the step of storing the most recent
20   finish time and the status of a server process.

5.    A method in accordance with any one of the preceding
claims, wherein the method is implemented as a software
module arranged to operate in an enterprise application
environment.

25   6.    A method in accordance with any one of the preceding
claims, wherein each server process interacts with a
separate central processing unit.

7.    A system for scheduling transactions within a
computing system, comprising:

30         - a transaction request means arranged to receive a
transaction request from a client;

AMENDED SHEET